

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-26 (Cancelled).

Claim 27 (Previously Presented): A product comprising a carrier-enzyme-protein complex which comprises:

a water-soluble carrier;

an enzyme, two or more molecules of the enzyme being conjugated to the carrier; and

a protein, which is conjugated to said enzyme, but not conjugated directly to the water-soluble carrier,

wherein said protein is free to bind to at least one substance selected from the group consisting of an antigen, an antibody, an antibody fragment, a sugar chain, hyaluronic acid and biotin,

wherein said protein is directly conjugated to at least one molecule of the two or more molecules of the enzyme.

Claims 28-31 (Cancelled)

Claim 32 (Previously Presented): A method for making a carrier-enzyme-protein complex, comprising:

contacting a water soluble carrier, an enzyme and a protein,

wherein said protein is free to bind to at least one substance selected from the group consisting of an antigen, an antibody, an antibody fragment, a sugar chain, hyaluronic acid and biotin, under conditions suitable for attachment of the carrier directly to the enzyme and suitable for attachment of the protein directly to the enzyme and

recovering or isolating a complex of carrier-enzyme-protein;

wherein said carrier-enzyme-protein complex comprises:

a water-soluble carrier;

an enzyme, two or more molecules of the enzyme being conjugated to the carrier; and
a protein, which is not directly conjugated to said water-soluble carrier, and which is free to bind to at least one substance selected from the group consisting of an antigen, an antibody, an antibody fragment, a sugar chain, hyaluronic acid and biotin, wherein said protein is directly conjugated to at least one molecule of the two or more molecules of the enzyme.

Claim 33 (Previously Presented): The method of Claim 32, wherein said protein is free to bind to an antigen.

Claim 34 (Previously Presented): The method of Claim 32, wherein said protein is free to bind to an antibody.

Claim 35 (Previously Presented): The method of Claim 32, wherein said protein is free to bind to an antibody fragment.

Claim 36 (Previously Presented): The method of Claim 32, wherein said protein is free to bind to a sugar chain.

Claim 37 (Previously Presented): The method of Claim 32, wherein said protein is free to bind to hyaluronic acid.

Claim 38 (Previously Presented): The method of Claim 32, wherein said protein is free to bind to biotin.

Claims 39-46 (Cancelled)

Claim 47 (Currently Amended): The product of Claim 27, wherein said water-soluble carrier is a peptide polymer having an average molecular weight ranging from 5,000 to 500,000 Da.

Claim 48 (Currently Amended): The product of Claim 27, wherein said water-soluble carrier is a polysaccharide polymer having an average molecular weight ranging from 5,000 to 500,000 Da.

Claim 49 (Currently Amended): The method of Claim 32, wherein said water-soluble carrier is a peptide polymer having an average molecular weight ranging from 5,000 to 500,000 Da.

Claim 50 (Currently Amended): The method of Claim 32, wherein said water-soluble carrier is a polysaccharide polymer having an average molecular weight ranging from 5,000 to 500,000 Da.

Claims 51-52 (Cancelled)

Claim 53 (New): The product of Claim 27, wherein said protein is an antibody or antibody fragment that binds to an antigen.

Claim 54 (New): The product of Claim 27, wherein said protein is a receptor that binds to a specific ligand, wherein said receptor is not an antibody or antibody fragment.

Claim 55 (New): The product of Claim 27, wherein said protein is avidin or streptavidin.

Claim 56 (New): The product of Claim 27, wherein said protein is Protein A or Protein G.

Claim 57 (New): The product of Claim 27, wherein said protein binds to hyaluronic acid.

Claim 58 (New): The product of Claim 27, wherein said enzyme has two or more amino groups.

Claim 59 (New): The product of Claim 27, wherein said enzyme is horse radish peroxidase.

Claim 60 (New): The product of Claim 27, wherein said enzyme is alkaline phosphatase.

Claim 61 (New): The product of Claim 27, wherein said enzyme is β -galactosidase.

Claim 62 (New): The product of Claim 27, wherein said enzyme is glucose oxidase.